

November 6, 2017
Nippon Electric Glass Co., Ltd.

Development of New Material for Pharmaceutical Glass Tubing ~ High light-shielding type added to our lineup~

Nippon Electric Glass Co., Ltd. (Head office: Otsu, Shiga, Japan; President: Motoharu Matsumoto), has developed and begun supplying samples of new glass that provides high light-shielding for pharmaceutical glass tubing. (*1)

We will exhibit this new glass at "API China 2017" (Xiamen, China) from November 15th, 2017.

Glass material is used for pharmaceutical containers such as ampoules, vials, prefilled syringes, etc., because of its high chemical resistance and physical strength. Nowadays, with the development of advanced medical care, new pharmaceuticals are being developed every day in Europe, USA, and other countries. The demand for pharmaceuticals in high economic growth regions such as China and India is also increasing to meet their expanding health care needs. Against such background, the demand for glass tubing for pharmaceutical containers has been expanding on a global scale. The quality and functionality required have also become more sophisticated and diverse.

We have been supplying amber glass tubing mainly to Japanese market, which prevents the pharmaceuticals from deterioration due to ultraviolet rays and makes it easy to inspect the pharmaceuticals visually from the outside of the container. On the other hand, overseas markets in Europe and USA are requesting higher light-shielding than the Japanese standards specify, and the same demand is intensifying in the Asian market year by year.

To meet the needs of these overseas markets, we have added a high light-shielding glass type to our pharmaceutical glass tubing lineup. We also intend to actively promote our pharmaceutical glass tubing business in these overseas markets, to realize future growth in this field.

【Characteristics】

1. Name: Pharmaceutical glass tubing 「BS-A *Dark*TM」
2. Features:
 - High light-shielding from ultraviolet rays (conforms to EP and USP) (*2)
 - Least alkali elution in the industry (Test for hydrolytic resistance according to EP and USP glass grains test)
 - Green glass (not contain environmentally hazardous materials such as fluorine or arsenic, etc.)
3. Supply start time: Sample supplies from November, 2017

【Products photo】



Newly developed BS-A *Dark*TM (bottom) and current product (amber glass tubing)



Current products and their applications

(*1) Our pharmaceutical glass tubing is processed into ampoules, vials, prefilled syringes, etc., by our customers – the processing manufacturers.

(*2) European Pharmacopoeia and U.S. Pharmacopoeia:
Official books containing instructions for pharmaceuticals, published by the governments, and contain a section on pharmaceutical glass containers.